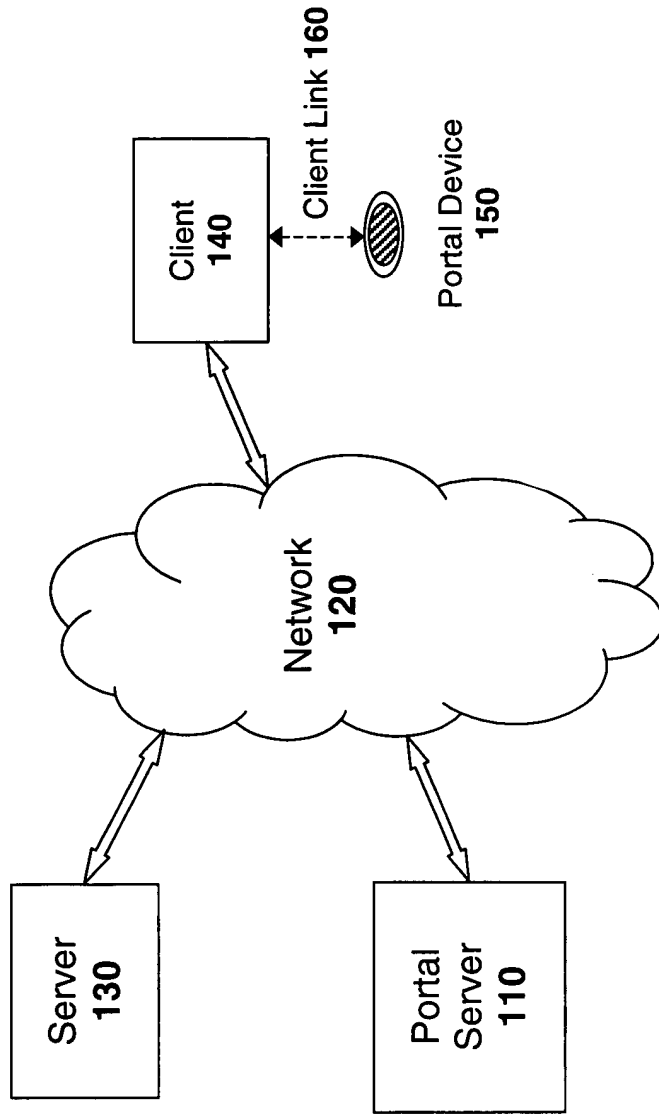


FIG. 1 is a block diagram of a network system 100. The network system 100 includes a Server 130, a Portal Server 110, a Network 120, a Client 140, and a Portal Device 150. The Server 130 and the Portal Server 110 are connected to the Network 120. The Client 140 is connected to the Network 120 via a Client Link 160. The Portal Device 150 is connected to the Client 140 via the Client Link 160.

100



**FIG. 1**

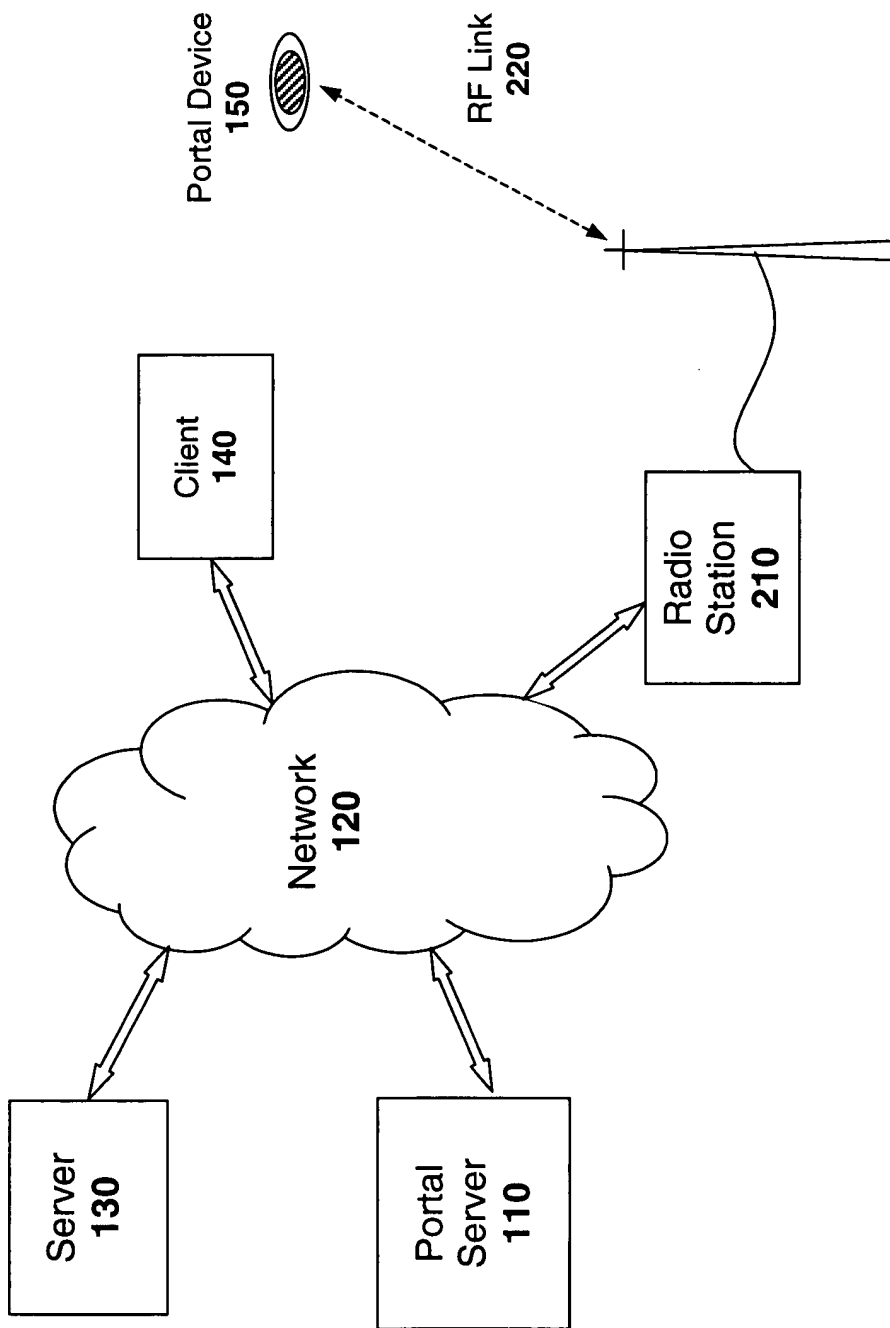
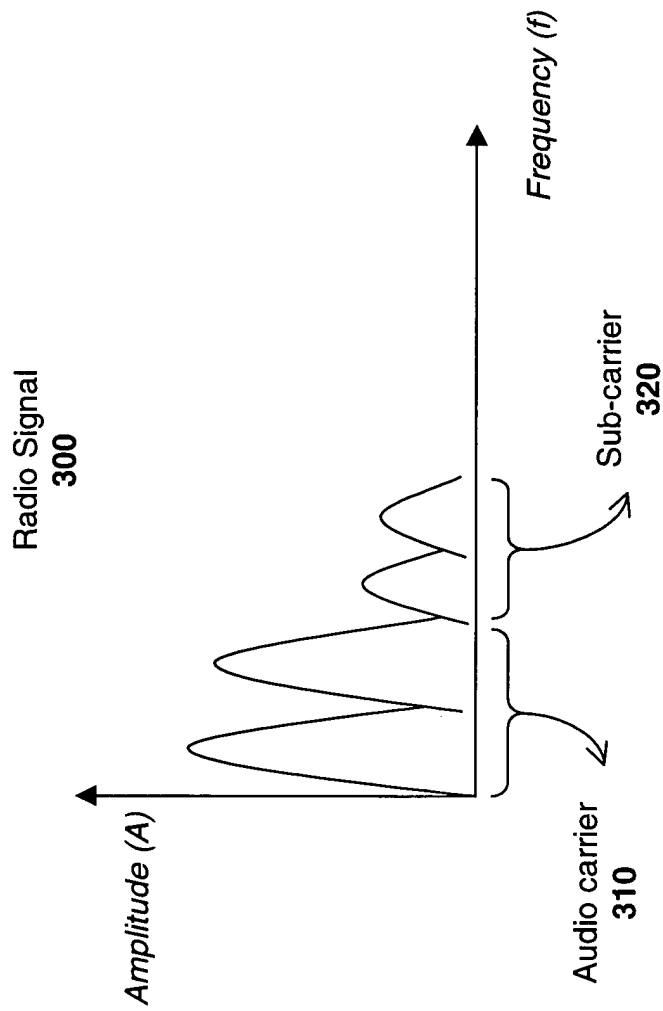


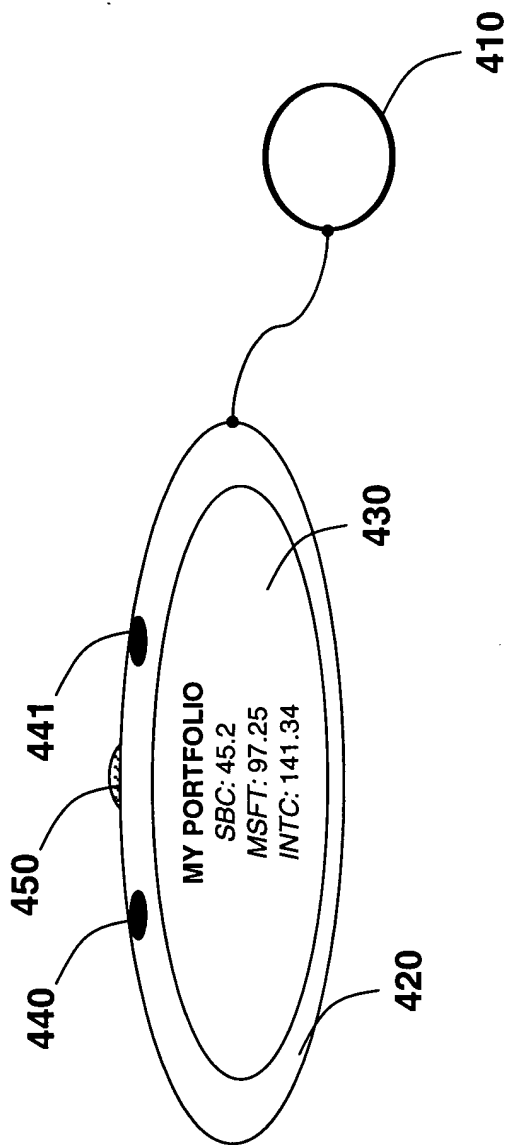
FIG. 2

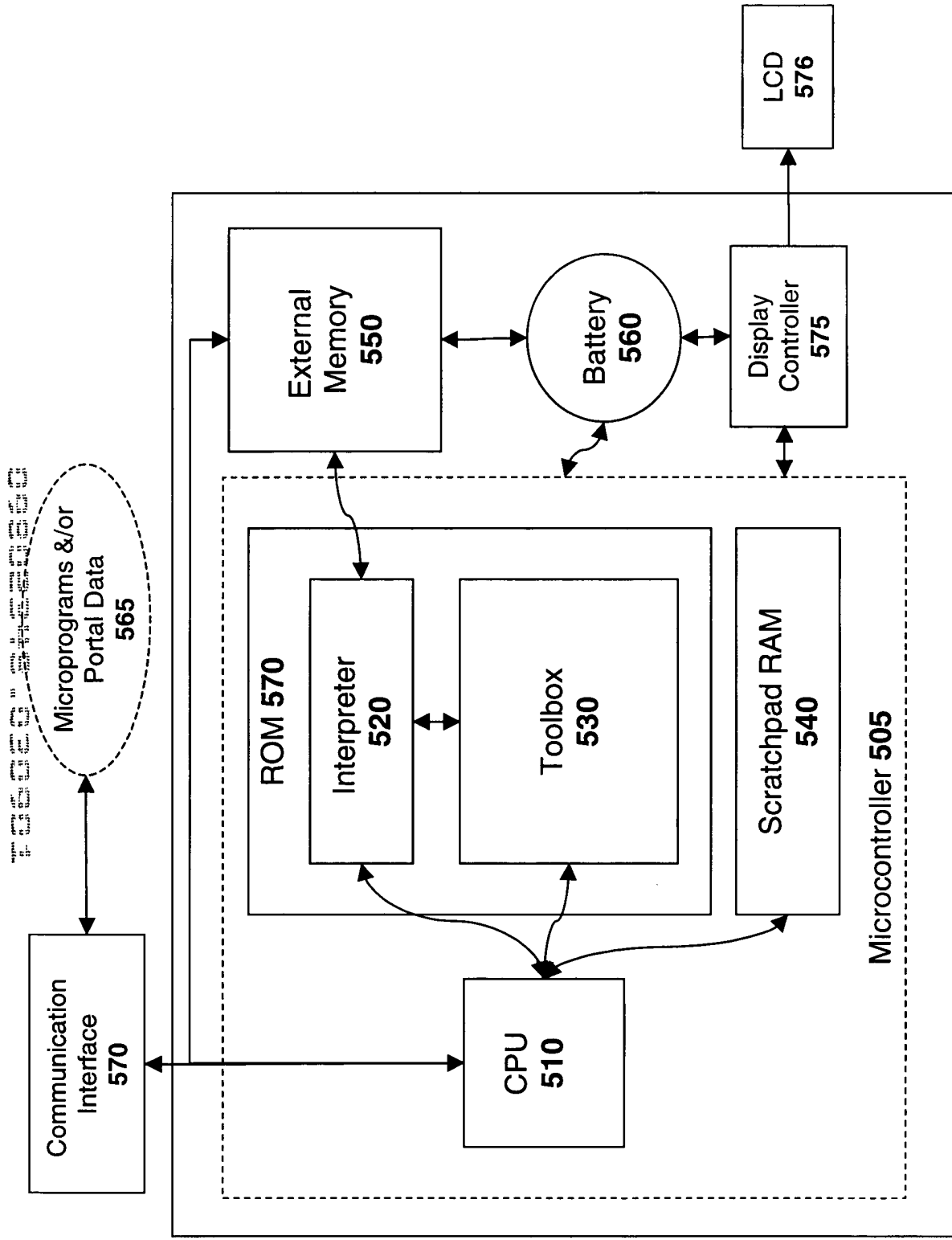
FIG. 3 is a graph showing the amplitude (A) versus frequency (f) of a radio signal 300. The graph illustrates the modulation of an audio carrier 310 by a sub-carrier 320. The audio carrier 310 is represented by a high-frequency sinusoidal wave, and the sub-carrier 320 is represented by a lower-frequency sinusoidal wave. The resulting radio signal 300 is a modulated wave whose amplitude varies according to the sub-carrier 320.



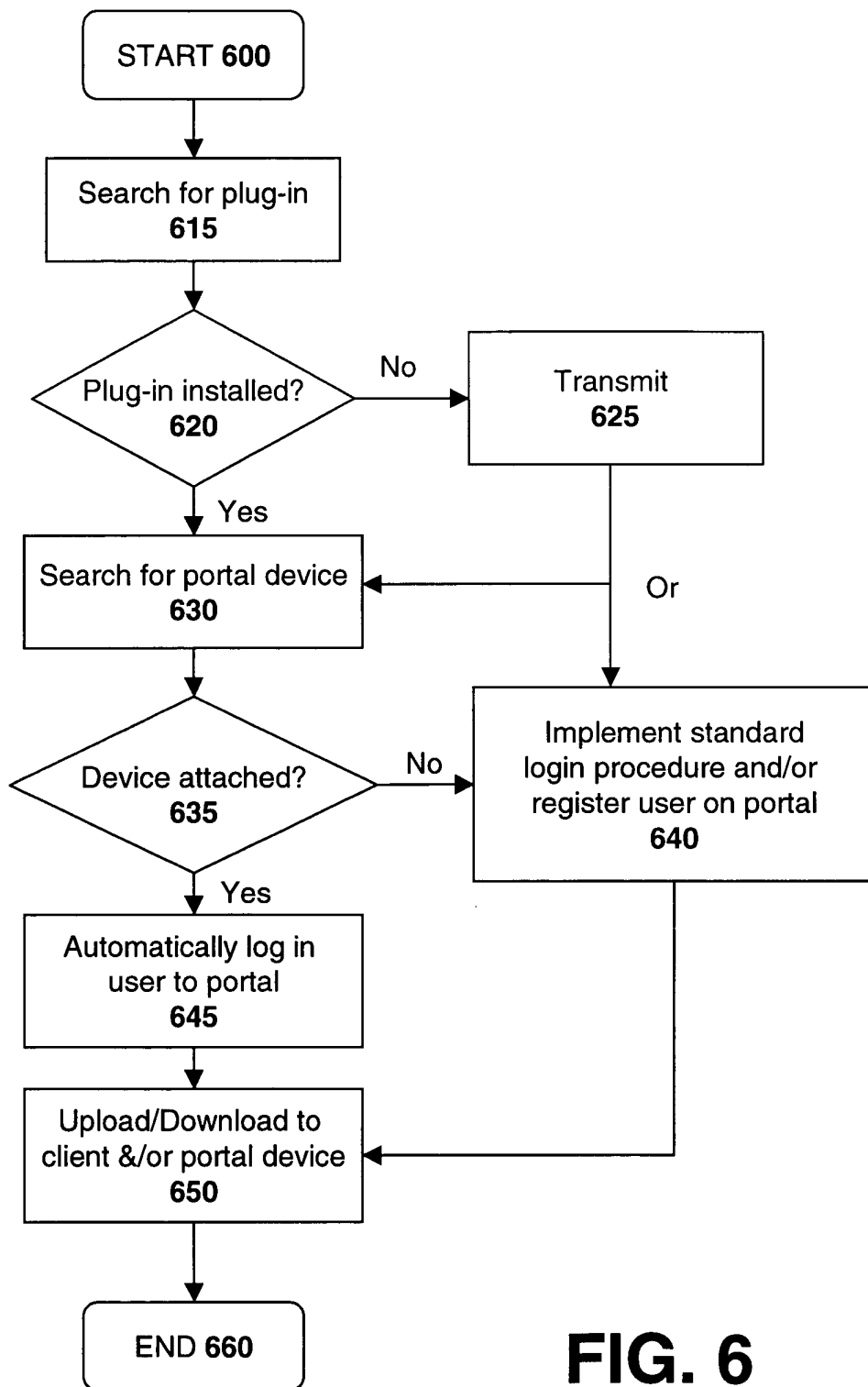
**FIG. 3**

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

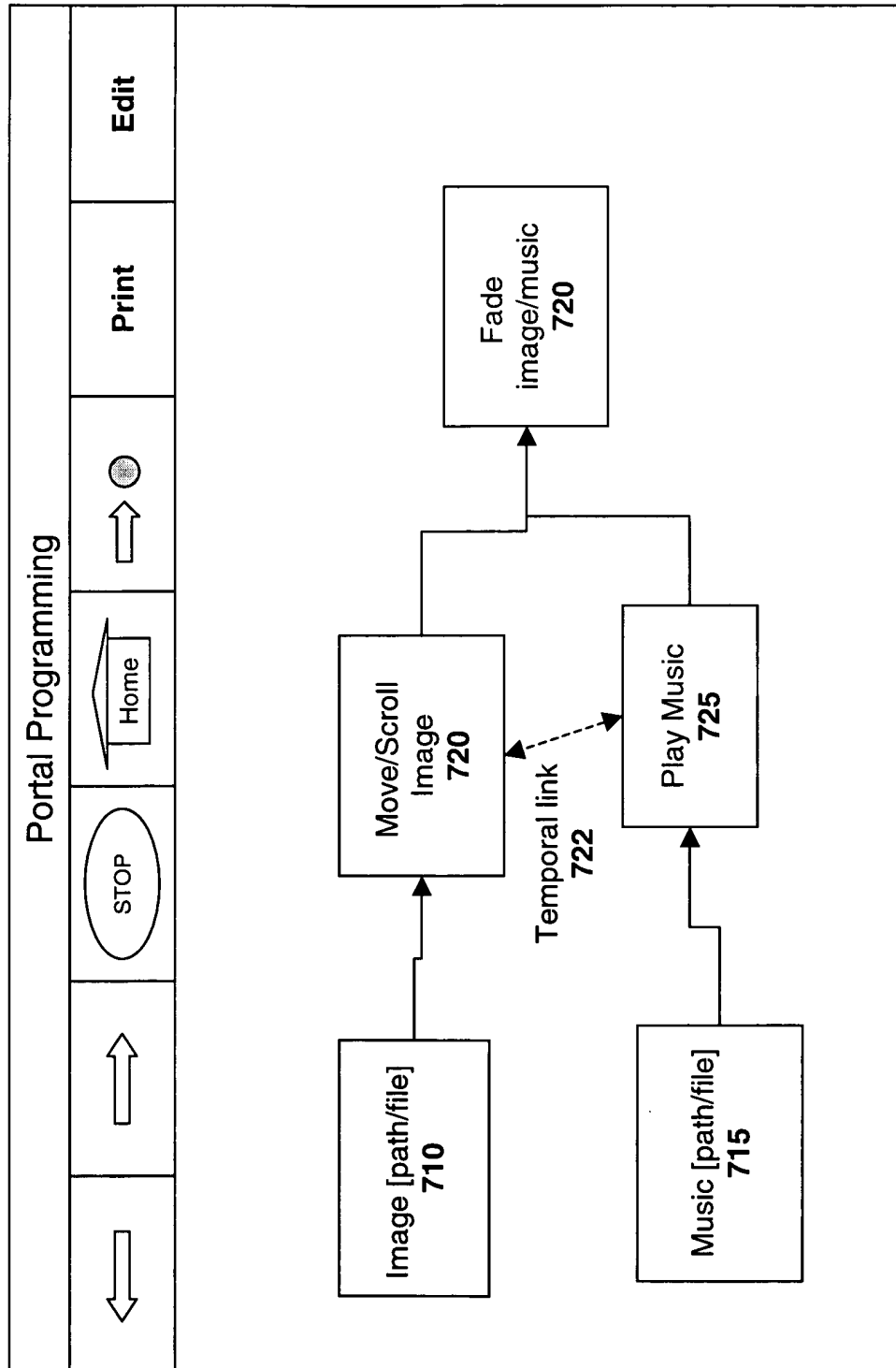
**FIG. 4**



**FIG. 5**



**FIG. 6**



Patent No. 5,331,998 TW

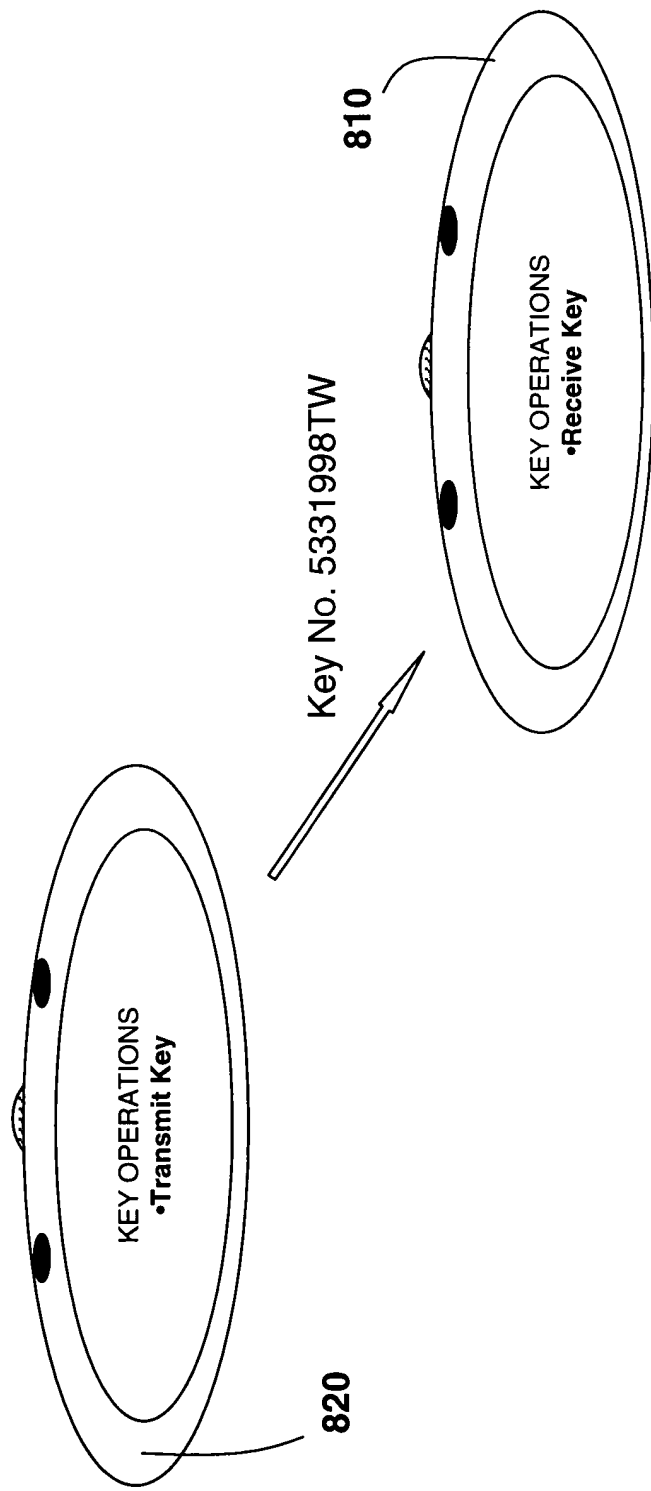
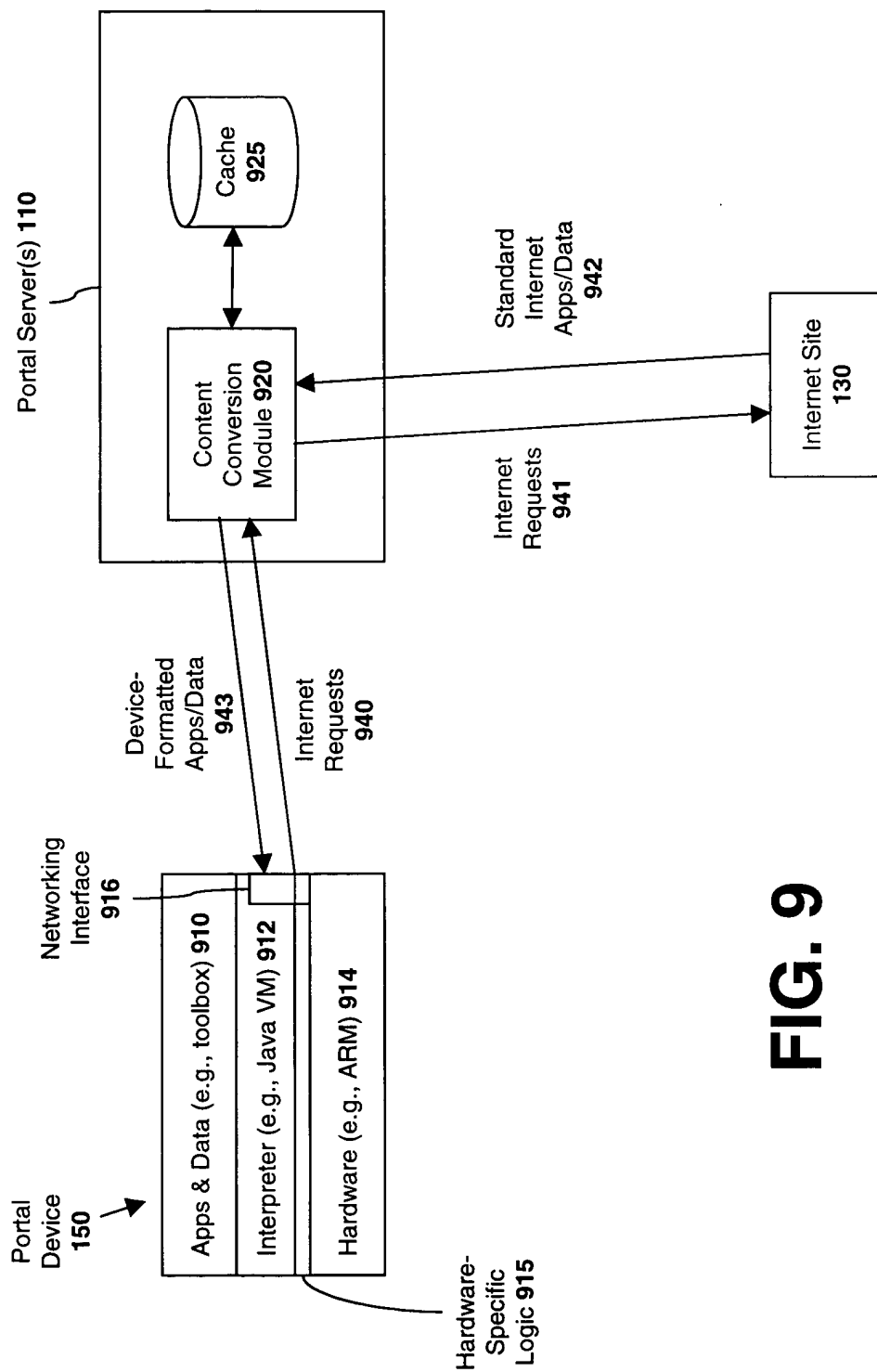


FIG. 8





**FIG. 9**

FIG. 10 is a schematic diagram of a system for identifying a caller of a communication. The system includes a communication device 100, a server 110, and a database 120. The communication device 100 is configured to receive a communication from a caller and to generate a vibration fingerprint 9. The server 110 is configured to receive the vibration fingerprint 9 and to compare it with the fingerprints stored in the database 120. The database 120 stores fingerprints for multiple callers, including Caller A, Caller B, and Caller C. The server 110 is configured to identify the caller based on the comparison and to provide information about the caller to the communication device 100. The communication device 100 is configured to provide information about the caller to the user of the device.

Transmission from Caller B  
(e.g., email, telephone call)

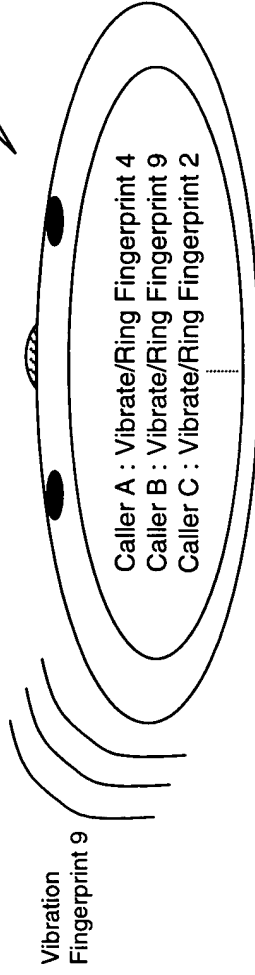


FIG. 10